

Title (en)

METHOD AND APPARATUS FOR RAKE COMBINING BASED UPON SIGNAL TO INTERFERENCE NOISE RATIO

Title (de)

VERFAHREN UND VORRICHTUNG ZUM RAKE-KOMBINIEREN AUF DER BASIS DES SIGNAL-STÖHR-RAUSCHVERHÄLTNISSES

Title (fr)

PROCEDE ET DISPOSITIF DE COMBINAISON DE RAKE EN FONCTION DU RAPPORT SIGNAL/BRUIT-PARASITE

Publication

**EP 1563621 A4 20080716 (EN)**

Application

**EP 03768691 A 20031105**

Priority

- US 0335267 W 20031105
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Abstract (en)

[origin: WO2004045117A1] A method and apparatus (400) for recovering information from a spread spectrum information signal included within a composite signal (404) from a signal propagation medium are disclosed herein. The method includes correlating time-offset versions of the composite signal with a spreading sequence in order to produce a plurality of correlation signals. The method further includes generating weighting factors based upon multipath channel gain characteristics so as to maximize a signal to interference plus noise ratio (SINR) of an estimate of the information. A plurality of weighted symbol streams are generated by processing the plurality of correlation signals in accordance with the weighting factors. The estimate of the information is then produced by combining the plurality of weighted symbol streams.

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2004045117A1

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